

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Anders OEHRVIK and Staffan ERIKSSON

U.S. Serial No.: Not Yet Known, corresponding to  
International Application No.  
PCT/EP2003/007547, filed July 11, 2003,  
which claims priority of E.P. Serial No.  
02017004.9, filed July 27, 2002

Filed Date : January 26, 2005

For : METHOD FOR DETERMINATION OF THYMIDINE  
KINASE 1 ACTIVITY AND THE USE THEREOF

Law Offices of Albert Wai-Kit Chan, LLC  
World Plaza, Suite 604  
141-07 20<sup>th</sup> Avenue  
Whitestone, NY 11357

January 26, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Mail Stop Patent Application

Sir/Madam:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, Applicants would like to direct the Examiner's attention to the following references which are listed below and on Forms PTO/SB/08A and PTO/SB/08B (which are attached hereto as **Exhibit A**), and each individual reference further attached as **Exhibits 1** through **6**.

1. PCT International Search Report for Anders OEHRVIK and Staffan ERIKSSON, Int'l Application No. PCT/EP2003/007547, Filed July 11, 2003, Dated November 13, 2003. [**Exhibit 1**]
2. International Publication Number WO 95/04758 A1 for BRIGHAM YOUNG UNIVERSITY TECHNOLOGY TRANSFER OFFICE, Published February 16, 1995. "Monoclonal Antibodies to Thymidine Kinase Isozymes". [**Exhibit 2**]

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3. International Publication Number E.P. 0094923 A2 for GRONOWITZ, et al., Published November 23, 1983. "A Method of Determining dTk Isoenzyme Activity and the Use Thereof". **[Exhibit 3]**
4. GOUJON, et al.; "Monitoring of Intracellular Levels of 5'-monophosphate-AZT Using an Enzyme Immunoassay", Journal of Immunological Methods, Elsevier Science Publishers B.V., Amsterdam, NL; Vol. 218, No. 1-2, September 1, 1998, Pgs. 19-30, XP004146529. **[Exhibit 4]**
5. KUROIWA, et al.; "Specific Recognition of Cytosolic Thymidine Kinase in the Human Lung Tumor by Monoclonal Antibodies Raised Against Recombinant Human Thymidine Kinase", Journal of Immunological Methods, Elsevier Science Publishers B.V., Amsterdam, NL; Vol. 253, No. 1-2, July 1, 2001, Pages 1-11, XP004241355. **[Exhibit 5]**
6. D'CRUZ, et al.; "Thymidine Kinase-Independent Intracellular Delivery of Bioactive Nucleotides by Aryl Phosphate Derivatives of Bromo-methoxy Zidovudine (Compounds WHI-05 and WHI-07) in Normal Human Female Genital Tract Epithelial Cells and Sperm", Database Biosis 'Online! Biosciences Information Service, Philadelphia, PA, US; Vol. 64, No. 1, January 2001, Pages 51-59, XP002225459. **[Exhibit 6]**

If a telephone interview would be of assistance in advancing prosecution of the subject application, Applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

No fee is deemed necessary in connection with the filing of this IDS. However, if any fee is required, authorization is hereby given

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to charge the amount of any such fee to Deposit Account No. 50-1891.

Respectfully submitted,

Albert Wai Kit Chan

Albert Wai-Kit Chan  
Registration No. 36,479  
Attorney for Applicants  
Law Offices of  
Albert Wai-Kit Chan, LLC  
World Plaza, Suite 604  
141-07 20<sup>th</sup> Avenue  
Whitestone, New York 11357  
Tel: (718) 357-8836  
Fax: (718) 357-8615  
e-mail: [kitchanlaw@aol.com](mailto:kitchanlaw@aol.com)

**Complete if Known**

*(Use as many sheets as necessary)*

Sheet	1	of	2
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Application Number	Not Yet Known
Filing Date	Herewith
First Named Inventor	OEHRVIK, Anders
Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	1031-PCT-US

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	2	WO 95/04758 A1	02-16-1995	BRIGHAM YOUNG UNIVERSITY		
	3	E.P. 0094923 A2	11-23-1983	GRONOWITZ, et al.		

Date  
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2

of

2

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Application Number Not Yet Known

Filing Date Herewith

First Named Inventor OEHRVIK, Anders

Art Unit Not Yet Known

Examiner Name Not Yet Known

Attorney Docket Number 1031-PCT-US

**OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	PCT International Search Report for Anders OEHRVIK and Staffan ERIKSSON, Int'l Application No. PCT/EP2003/007547, Filed July 11, 2003, Dated November 13, 2003.	
	4	GOUJON, et al.; "Monitoring of Intracellular Levels of 5'-monophosphate-AZT Using an Enzyme Immunoassay", Journal of Immunological Methods, Elsevier Science Publishers B.V., Amsterdam, NL; Vol. 218, No. 1-2, September 1, 1998, Pgs. 19-30, XP004146529.	
	5	KUROIWA, et al.; "Specific Recognition of Cytosolic Thymidine Kinase in the Human Lung Tumor by Monoclonal Antibodies Raised Against Recombinant Human Thymidine Kinase", Journal of Immunological Methods, Elsevier Science Publishers B.V., Amsterdam, NL; Vol. 253, No. 1-2, July 1, 2001, Pages 1-11, XP004241355.	
	6	D'CRUZ, et al.; "Thymidine Kinase-Independent Intracellular Delivery of Bioactive Nucleotides by Aryl Phosphate Derivatives of Bromo-methoxy Zidovudine (Compounds WHI-05 and WHI-07) in Normal Human Female Genital Tract Epithelial Cells and Sperm", Database Biosis Online! Biosciences Information Service, Philadelphia, PA, US; Vol. 64, No. 1, January 2001, Pages 51-59, XP002225459.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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